

Calluna vulgaris

Habitus and growth type

Plant height [m]: **0.74**

Life span: **Perennial**

Life form: **Chamaephyte, Dwarf shrub**

Spinescence: **not spinescent**

Leaf

Leaf type (woody plants only): **Scale-like, Sclerophyllous**

Leaf phenology (woody plants only): **Evergreen**

Specific leaf area [mm²/mg]: **9.71**

Flower

Flowering period: **July-November**

Fruit, seed and dispersal

Seed mass [mg]: **0.03**

Dispersal mode: **Anemochory**

Dispersal distance class: **5**

Trophic mode

Parasitism and mycoheterotrophy: **autotroph**

Carnivory: **non-carnivorous**

Symbiotic nitrogen fixation: **no nitrogen-fixing symbionts**

Taxon origin

Origin in Europe: **Native**

Ecology

Environmental relationships

Substrate humidity relationship: **Mesic**

Substrate reaction relationship: **Acidic**

Nutrient relationship: **Dystrophic**

Salinity relationship: **Non-saline**

Ellenberg-type indicator values

Light indicator value: **7.7**

Temperature indicator value: **4.6**

Moisture indicator value: **5.6**

Reaction indicator value: **1.5**

Nutrient indicator value: **1.4**

Salinity indicator value: **0**

Disturbance indicator values

Disturbance frequency: **0.46**

Disturbance frequency (herb layer): **1.43**

Disturbance severity: **0.49**

Disturbance severity (herb layer): **0.24**

Mowing frequency: **0.1**

Grazing pressure: **0.25**

Soil disturbance: **0.16**

Habitat and sociology

Syntaxon

Diagnostic species of phytosociological classes: [CH \(ULI\) *Calluno-Ulicetea*](#), [CI \(NAR\) *Nardetea strictae*](#), [FC \(LAV\) *Cisto-Lavanduletea stoechadis*](#), [PB \(OXY\) *Oxycocco-Sphagnetea*](#)

EUNIS habitat

Diagnostic species of EUNIS habitats: [N18 Atlantic and Baltic coastal *Empetrum* heath](#), [N19 Atlantic coastal *Calluna* and *Ulex* heath](#), [N1F Baltic coniferous coastal dune forest](#), [Q11 Raised bog](#), [Q12 Blanket bog](#), [Q21 Oceanic valley mire](#), [R1M Lowland to montane, dry to mesic grassland usually dominated by *Nardus stricta*](#), [S41 Wet heath](#), [S42 Dry heath](#), [S43 Macaronesian heath](#), [T35 Temperate continental *Pinus sylvestris* forest](#), [T3G *Pinus sylvestris* light taiga](#), [T3J *Pinus* and *Larix* mire forest](#)

Constant species of EUNIS habitats: [N18 Atlantic and Baltic coastal *Empetrum* heath](#), [N19 Atlantic coastal *Calluna* and *Ulex* heath](#), [N1F Baltic coniferous coastal dune forest](#), [Q11 Raised bog](#), [Q12 Blanket bog](#), [Q21 Oceanic valley mire](#), [Q22 Poor fen](#), [R1G Iberian oromediterranean siliceous dry grassland](#), [R1M Lowland to montane, dry to mesic grassland usually dominated by *Nardus stricta*](#), [R1Q Inland sanddrift and dune with siliceous grassland](#), [R37 Temperate and boreal moist or wet oligotrophic grassland](#), [R52 Forest fringe of acidic nutrient-poor soils](#), [R54 *Pteridium aquilinum* vegetation](#), [S12 Moss and lichen tundra](#), [S22 Alpine and subalpine ericoid heath](#), [S31 Lowland to montane temperate and submediterranean *Juniperus* scrub](#), [S33 Lowland to montane temperate and submediterranean genistoid scrub](#), [S41 Wet heath](#), [S42 Dry heath](#), [S43 Macaronesian heath](#), [S62 Western acidophilous garrigue](#), [T16 Broadleaved mire forest on acid peat](#), [T1B Acidophilous *Quercus* forest](#), [T1C Temperate and boreal mountain *Betula* and *Populus tremula* forest on mineral soils](#), [T1D Southern European mountain *Betula* and *Populus tremula* forest on mineral soils](#), [T29 Broadleaved evergreen plantation of non site-native trees](#), [T34 Temperate subalpine *Larix*, *Pinus cembra* and *Pinus uncinata* forest](#), [T35 Temperate continental *Pinus sylvestris* forest](#), [T37 Mediterranean montane *Pinus sylvestris*-*Pinus nigra* forest](#), [T3F Dark taiga](#), [T3G *Pinus sylvestris* light taiga](#), [T3J *Pinus* and *Larix* mire forest](#), [T3K *Picea* mire forest](#), [T3M Coniferous plantation of non site-native trees](#)

Dominant species of EUNIS habitats: [N18 Atlantic and Baltic coastal *Empetrum* heath](#), [N19 Atlantic coastal *Calluna* and *Ulex* heath](#), [N1F Baltic coniferous coastal dune forest](#), [Q11 Raised bog](#), [Q12 Blanket bog](#), [Q21 Oceanic valley mire](#), [S22 Alpine and subalpine ericoid heath](#), [S31 Lowland to montane temperate and submediterranean *Juniperus* scrub](#), [S41 Wet heath](#), [S42 Dry heath](#), [S43 Macaronesian heath](#), [T35 Temperate continental *Pinus sylvestris* forest](#), [T3J](#)

Pinus and Larix mire forest, T3M Coniferous plantation of non site-native trees

Broad habitat

Occurrence in broad habitats: **Mire, Grassland (non-alpine, non-saline), Alpine-subalpine and arctic grassland, Heathland, Scrub, Forest, Sparsely vegetated (incl. rock and scree)**

Distribution

Continentality amplitude: 5